HydroSource Database

Layers are ascertained based on ORNL’s lowest-level water power datasets to allow for scalable analyses.

Entity-Relationship Diagram

Relationships are mapped among data components.

Crosswalk to External Sources

Various linkages are established within the HydroSource Data Model, Version 1 for crosswalking data from key external sources.

Legend

HydroSource data component type
- Public
- Consumable
- Consumable, public
- Consumable, private
- Consumable, public or private
- Consumable, private or public
- Consumable, private and public
- Public, consumable
- Public, consumable, private
- Public, consumable, private or public
- Public, consumable, private and public

Entity relationship type
- One-to-one (1:1) - One to one only
- One-to-many (1:N) - One to many
- Many-to-many (N:N) - Many to many
- Many-to-many (N:M) - Many to many

Crosswalk source type
- Public
- Private
- Public and private

*This schematic diagram was designed for planning purposes only, prior to the development of the HydroSource Database. A new diagram version will be released in the future to reflect the schema of the final database as implemented.